

CURRICULUM VITAE - FREDERICK WILLIAM GOETZ

<i>Address</i>	NOAA Northwest Fisheries Science Center, Manchester Research Station, Port Orchard, WA, 98366 rick.goetz@noaa.gov
<i>Academic Experience</i>	B.A. - Colgate University (Hamilton, N.Y.) - 1972 Biology and German. Ph.D. - University of Wyoming (Laramie, Wyoming) - 1976 - Zoology - Dissertation title: "The <i>in vitro</i> induction of final maturation and ovulation in brook trout (<i>Salvelinus fontinalis</i>) and yellow perch (<i>Perca flavescens</i>) ova and the hormonal control of final maturation in ova of other fish species" Advisor: Dr. Harold Bergman.
<i>Professional Experience</i>	2011 - present: Supervisory Research Physiologist - NOAA Northwest Fisheries Science Center, Manchester Research Station, Port Orchard, WA. 2011 - present: Adjunct Research Scientist - School of Freshwater Sciences, University of Wisconsin Milwaukee, Milwaukee, WI. 2010 - 2011: Professor - School of Freshwater Sciences, University of Wisconsin Milwaukee, Milwaukee, WI. 2004 - 2011: Adjunct Professor – University of Wisconsin – Milwaukee - Biological Sciences Department 2004 - 2009: Shaw Senior Scientist – Great Lakes WATER Institute, University of Wisconsin-Milwaukee, Milwaukee, WI. 2001 - 2004: Senior Scientist and Director of Program in Scientific Aquaculture - Marine Biological Laboratory - Woods Hole, MA 2001 - 2004: Adjunct Professor - Boston University - Biology Department and Marine Biology Program 1989 - 2001: Professor and Director of Graduate Studies - Department of Biological Sciences University of Notre Dame 1984 - 1989: Associate Professor and Director of Graduate Studies - Department of Biological Sciences - University of Notre Dame.

1977 - 1984: Assistant Professor - Department of Biological Sciences - University of Notre Dame.

1976 - 1977: Postdoctoral Fellow - Fisheries and Marine Service, West Vancouver, British Columbia, Canada.

1974 - 1976: Research Assistant - University of Wyoming.

1972 - 1974: Teaching Assistant - University of Wyoming.

Research Interests

- The development of genetically defined fish broodstocks for commercial aquaculture.
- Selection of broodstocks for the enhancement of traits of interest in aquaculture.
- The use of global genomic approaches such as Next Gen sequencing and microarrays to investigate the physiology, ecotypic diversity, evolution and population structure of fish.
- Innate immunology and the evolution of pathogen recognition in fish.
- The hormonal regulation of reproduction in fish.

Publications

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in yellow perch (*Perca flavescens*). Proc. Indian Nat. Acad. Sci. B45, 497-504.

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Goetz, F.W. (1983). Hormonal control of oocyte final maturation and ovulation in fishes. In: Fish Physiology - Vol. IXB, eds W.S. Hoar, D.J. Randall, and E.M. Donaldson. Academic Press, N.Y. pps. 117-170.

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